

## ABSTRACT OF THE DISCLOSURE

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~~The present invention gives manufacturing methods of ink-jet recording heads which solve a problem that in conventional manufacturing methods of ink-jet recording heads for high quality image and fine resolution, recording quality is lowered due to unevenly coated ink-repellent layer caused by a hundreds micro-meter discrepancy between corresponding portions of ejection ports of liquid path forming plate 10 and of the ink-repellent material layer 11 due to a patterning accuracy when the patterning is executed on the same size. In order to solve above-mentioned problem, a manufacturing method where after a second active energy ray setting resin 11 is coated over a first energy ray setting resin 10 for liquid path forming before setting the first resin, then both setting resins are exposed and are developed, is employed.~~